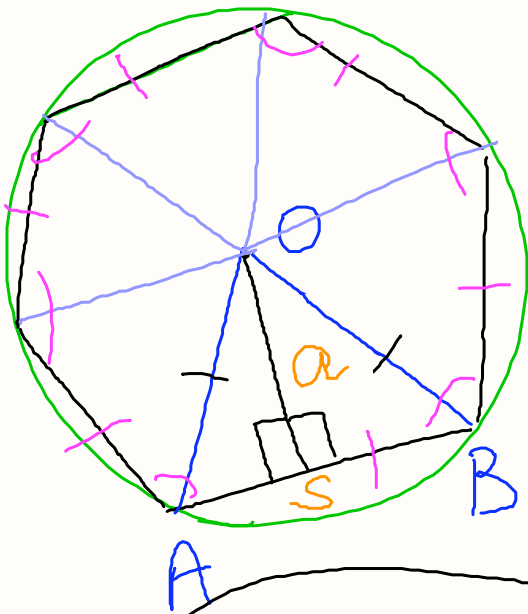


REGULAR POLYGONS HAVE CONGRUENT SIDES/ANG.

THE CENTER OF A
HEXAGON IS THE
CENTER OF
CIRCUMSCRIBED
CIRCLE



a - APOTHEM

$\triangle AOB$ - ISOSCELES
TRIANGLE

$$A = \frac{a \cdot s \cdot n}{2}$$

p. 427

#1

$$S = 24 \text{ cm}$$

$$a = 24.9 \text{ cm}$$

$$n = 7$$

$$A = \frac{a \cdot S}{2} \cdot n$$

SIDE
↓

$$\pi 2 \quad S = 107.5 \text{ cm}$$

$$\frac{A = 19,887.5 \text{ cm}^2}{a \cdot \pi}$$

$$A = \frac{a \cdot S}{2} \cdot n$$

$$19,887.5 = \frac{a \cdot 107.5}{2} \cdot 5$$

#3

p. 427, 578